
The DX Bulletin

• America's Oldest Weekly Amateur Radio Publication •

Issue 367 - Dec 19, 1986

DXpedition News

Peter 1 Island - 3Y Bob Winters KD7P is aiming for a very short DXpedition from Peter 1, around the first of the year. He's leaving Palmer Station, Antarctica, on Dec. 26, and should helicopter over to the island from the US Coast Guard ice breaker "Polar Sea" on Jan. 1, for no more than 24 hours. Watch for **3C0AK** on 14145 or 21295 kHz, listening up, with some CW on 14025 or 21025. Peter 1 Island is "pre-approved" for DXCC, awaiting only a valid operation from same to be added to the DXCC current list (and raising the Honor Roll cutoff one notch.)

Bob's landing permission was helped along by some of the LA DX group's efforts. To provide a more lengthy DXpedition, to give the DX world a fair shot at Peter 1, the Norwegians are planning a major trip to the Antarctic island. The Northern California DX Foundation is the major financial contributor to the project (the NCDXF is also helping Bob KD7P.) DXers wishing to contribute to the Foundation for the LA DX Group's Peter 1 operation should remember the change in US tax rates as of Jan. 1, and get their contributions in now. NCDXF, Box 2368, Stanford CA 94305 USA. Meanwhile, the Norwegians are looking for amateurs to operate from Peter 1, but they must pay their own expenses.

Mellish Island - VK9 Ken K4ADN and other DXers will activate **VK9MW** from Mellish Reef (OC-72) in August, 1987. The trip will leave Queensland, Aust. on Aug. 1, for a five-day operation. Willis Island (OC-07) operation is also planned. Additional operators (esp. CW ops) and donations of equipment and antennas are solicited.

Taiwan - BV Some Japanese DXers will operate **BV0AD** from Taiwan (AS-20) Jan. 1-4, 1987. 144 and 432 MHz operation is also planned. QSL route to be announced.

Comoros - D68 The Colvins closed out their Mayotte FH operation on Dec. 9 at 1930Z. They then moved on to Comoros (AF-07). Look for **D68QL** on the usual Colvin frequencies (See I366.) Iris continues to haunt a list operation on 14183 around 1900Z. QSL via Yasme.

Sudan - ST Gerben PA0GAM will spend a year and a half in Sudan, starting March, 1987. License is "probably not a problem." Meanwhile **ST2SA** is active on 14104 on Amtor, but **ON7IP/ST2** has returned to Belgium. Gerben hopes to get on all bands and modes. More details to come.

Heard Island - VK0 Frank VK2EBQ has been putting **VK0DA** on 14220 kHz around 0730Z recently. He has been worked by a few West Coast stations, but he is very weak and doesn't like unruly pileups. He shows up on 14220 even when Jim Smith VK9NS is not around. He's due to leave in January.

Barbados - 8P Dave K1COW will operate **8P9AY** (NA-21) again Jan. 8-19, on all bands 160-432. Then he'll move over to St. Vincent J87 (NA-24) as **K1COW/J87** from Jan. 19-27. QSL K1COW.

St. Martin - FS Laurent TK5BL will sign **FG/TK5BL/FS** Jan. 4-Feb. 15 from NA-22. QSL via F6AJA. And group of operators from IPA will sign **FS5IPA** (note prefix!) Feb. 26-Mar. 12. (Tnx LNDX.)

Sri Lanka - 4S7 Hubert and Nada Lorenz DK1ZN and DJ0CP will operate from Sri Lanka (AS-03) Jan. 3-Feb. 5, mainly on 20 and 15. Watch for DK1ZN/4S7 and 4S7YLR. QSL home calls.

Nepal - 9N The Japan UNICEF radio club has been assured of a license for the Dec. 24-28th operation. **9N5YDY** or **9N5JUC** are the callsigns mentioned. Mainly 20 and 15 meters, but some low band operation is a possibility. The UNICEF club station JH8YDY can be found on 21333 or 14150 kHz.

— Chod Harris VP2ML Editor

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PROPAGATION

Forecast and Historical Data

Day	Forecast	27 Days Before				54 Days Before			
		Date	Flux	A	K	Date	Flux	A	K
19	High Nor	11/22	76	03/07	1	10/26	95	03/07	0
20	Disturbed	11/23	78	02/15	2	10/27	96	15/31	4
21	Disturbed	11/24	79	17/45	3	10/28	95	11/13	2
22	Disturbed	11/25	78	31/92	6	10/29	93	15/21	3
23	Below Nor	11/26	76	20/30	3	10/30	91	12/20	2
24	Low Nor	11/27	76	10/15	1	10/31	91	07/12	2
25	High Nor	11/28	75	04/09	1	11/1	91	13/17	2
26	Low Nor	11/29	74	10/19	3	11/2	86	05/07	2
27	Low Nor	11/30	73	10/23	3	11/3	82	05/16	2
28	Low Nor	12/1	73	12/22	1	11/4	84	48/88	5
29	Low Nor	12/2	73	10/12	1	11/5	83	26/36	2
30	High Nor	12/3	72	06/09	1	11/6	82	10/15	2
31	High Nor	12/4	71	07/12	2	11/7	78	08/09	1
January 1987									
1	High Nor	12/5	72	05/06	1	11/8	75	06/07	1
2	High Nor	12/6	71	04/06	1	11/9	73	05/05	1
3	High Nor	12/7	70	05/08	2	11/10	72	05/08	1
4	High Nor	12/8	71	05/06	0	11/11	71	15/21	2

Thanks N4XX and KH6BZF. (Dec. 30 and later forecasts based on TDXB analysis of data.)

Propagation Watch

The 27-day recurrence of the minor solar storm that hurt DX in November is swinging around before Christmas. Solar flux will increase a bit, but that good news will be more than offset by the bad news of increased absorption starting about the 20th. The New Year should start with better DX conditions, but not as good as a fireworks in late Oct.

The continued low absorption and long winter nights have produced excellent 80 and 160 meter conditions. East Coast stations report good low-band openings over the North Pole to Northern Europe and UA9/0 up to as late as an hour and a half after local sunrise, such as an LA on 80 at 1200Z, for example.

Holiday Thoughts

In this season of rejoicing, let's take a moment to acknowledge a Power greater than our own: Divine Presence. We are grateful for the limitless forces, powers and energies You have made available to us. As we are the receivers of these gifts, let us also be the receivers of Your wisdom, that we may be more selective in our thoughts and words and actions, and honor Your presence in us. Make us sensitive to Your will, that Your will may be done in us. Guide us in filtering out of our consciousness all that would divide human beings, one from another. And help us to be powerful transmitters of Your love, that we, as amateur radio operators, may radiate that love in friendship, understanding, and good will to all the people of the earth. Amen. [Thanks to Rev. Gene Clark W6DQH for a copy of this Invocation given at the 1986 Visalia International DX Convention. And Happy Holidays to All! -ed.]

No Christmas Issue

With this issue (# 367) The DX Bulletin takes its annual year-end holiday, so that your hard-working editor can spend some time with my oft-neglected family. The next issue of The DX Bulletin will be published Jan. 2, 1987. -ed.

QSL Help Wanted

- TL8MEF for KA8MVJ; F6KNT has not responded.

QSL Help Offered

- 7Q7LW address is now: Helen Sampson, Brighton Road, Lancing, Sussex BN15 8RN, England. Helen collects stamps.
- and QSL the recent C56/G4xxx contacts to G4YRM.

- TDXB 367

Shortly Noted

- BY9GA in Zone 23 is quite active on 14027 around 0100Z, as well as in the W7PHO net 14227 at 2300Z. Good operator, and good QSLer, via Box 12, Lanzhou.
- Libya - 5A SP6BZ runs 5A0A on the bottom end of 15 meter CW, 09-1000Z. (Not too good for the USA.) QSL SP6BZ. No word yet on ARRL acceptance.
- Bhutan - A51 PA0GAM reports that the Bhutan PTT continues to ban all amateur radio operation, so Pradhan A51PN will stay off the air for a while yet.
- 7J1ACH (OC-73) has upgraded to Extra Class, and now shows on the bottom end of the CW bands. Watch 3501 at 1230Z.
- Franz Josef Land Apparently there is nothing else to do in the dark, frozen North, as there are three active FJL (EU-19) stations on the lower bands now: the ubiquitous UV100, RA10T, and the club station RZ10WA. Watch 1830 after 0000Z, as well as 80/40 CW.
- FT8WA on Crozet (AF-08) has been worked on 14220 kHz at 1900Z. QSL via F6FNU.
- 3G9SBY on the South Shetlands (AN-10) showed up on schedule on 40 meters. See I361.
- TT8AQ continues to be active on weekends around 3795 at 2000Z. QSL via F6EYS.
- TU4BY is a newly licensed YL in Ivory Coast. Watch 14183 at 2100Z. QSL N4GNR.
- 9K2MJ from Kuwait is JA2PDQ. He'll be there six months, and is often active Fridays. QSL home call. (Tnx DXNL.)
- VP5X from Provo (NA-02) netted about 2.5 million points in the CQWW CW contest, with about 3500 QSOs. The gang is going back in 1987 for both SSB and CW CQWW tests, for the Northern California Contest Club. QSL K6ANP.
- 160 Meters FJL very active now. One RI stations was called by three FJL stations on 160 in 2 hours! DU9RG says he'll be on 160 this month.
- TP2CE from the Council of Europe was very active Dec. 5-7, on all bands. QSL to F6EYS. [The group has applied to the DXAC for separate country status, but there is little hope for this one. If the DXAC turned down 4U1VIC by such overwhelming margins, they aren't going to go for this one. And even if they did, the ARRL Hq. Awards Committee would veto it. Nice prefix, however. -ed.]

Capitol Hill Amateur Radio Society

W3USS will commemorate the opening of the 100th Congress of the United States on Jan. 3-4, 1987. Look for the station 1400Z Sat. to 2300Z Sun., on 3825, 3530, 14240, and 14030 kHz. QSL with SASE to the Callbook address of W3USS.

South Georgia - VP8AQT

Some DX publications have questioned the validity of the license of VP8AQT on his recent trip to South Georgia. Dave VP8AQT replies, "My present license was issued on 1 Oct 1985, and runs until 31 Dec. 1986, #28995." He goes on to explain that security considerations prohibited his giving exact sailing dates or operating times. His South Georgia station was tucked under a 2000' mountain, blocking the path to the north (TDXB's correspondent worked Dave long path, at 330°.) Dave made about 150 QSOs total, including a handful on RTTY. QSL D.T.Jones, 19 Park End, Croughton, Brackley, Northants NN13 5LX, England.

SWL Report from Afghanistan

Dear TDXB:

Greetings from Afghanistan. I have not been able to obtain a ham license here, however the SWLing results have been impressive. With just a Sony ICF-2002, many EU/AF/Asian stations have been heard, including several from the USA on 7 MHz. Let's hope the situation improves in the future, because this would be a fine DX location. (s) Tom Warren K3TW/YA1.

AWARDS

The DX Bulletin

DXCC Golden Jubilee Competition

The ARRL is sponsoring a Golden Jubilee Award for working 100 DXCC countries during 1987, in celebration of the 50th anniversary of the award. The League will date the awards, but not number them. However, The DX Bulletin feels that the most efficient DXers should be duly recognized, so send the date and time of your QSO with your 100th country to The DX Bulletin.

The DX Bulletin will award a trophy to the reader with the earliest time/date, and we'll publish the calls of the first few "winners" early in 1987. Application forms for the ARRL Golden Jubilee Award are available for an SASE from ARRL Hq.

BANDPASS

Reports Wanted,
Especially RTTY, 30 meters

RTTY				
3GOC	14084	1430	7 OH	
	Easter Island			
3GOC	14090	1715	6 CA	
5NOGAA	14086	1805	26 MA	
9H4C	14089	1535	7 OH	
CT3BX	14096	1541	30 ND	
EA8BQ	14087	2012	25 MA	
FR4DL	14097	1706	3 CA	
GI4WRI	14091	1712	4 CA	
GJ4YAD	14082	1715	25 MA	
HB9HR	14087	1541	5 CA	
HC1CW	14091	1340	6 OH	
HC2LZ	14096	2045	2 ND	
HH2DF	14083	2150	7 MA	
HK3NBI	21090	2050	2 ND	
HP1KZ	14085	1310	30 MA	
HP2SM	14086	1345	6 OH	
HV2VO	14082	1655	26 MA	
JW5E	14089	1725	4 CA	
KP2N	14088	1209	24 MA	
OH1WF	14088	1415	7 OH	
OK2BRP	14083	1552	6 CA	
SP3BGD	14084	1549	5 CA	
U3KM	14082	1238	7 MA	
XE3JA	14092	1530	7 OH	
YV2EF	14094	1340	6 OH	
160 MTRS				
4X4NJ	1835	0430	5 MI	
8P9AG	1845	0019	6 RI	
8P9AG	1834	0140	5 MI	
8P9AJ	1825	0520	2 IL	
9Y4XX	1832	0300	27 MA	
EI8H	1850	0737	5 RI	
EI8H	1840	0130	2 IL	
EI8H	1847	0200	4 MI	
FG5AM	1832	0406	3 IL	
FG5AM	1832	0543	2 WA	
GI3QQR	1828	0530	3 IL	
GI4GPC	1835	0650	5 RI	
HC1BI	1827	0003	6 MA	
HC8/K1XM	1837	0345	2 MI	
HK0BKX	1829	0245	8 IL	
J6L/	1833	0317	2 IL	
W8ILC				

KG4XO	1824	0442	29 MA
KL7GIH	1833	0900	4 MI
LA3UF	1823	0545	5 MI
OZ7HT	1832	0705	5 RI
PAOHIP	1831	0008	4 RI
PY1RO	1825	0100	7 WA
RT5UY	1836	0514	23 MA
RZ1OWA	1836	0300	8 IL
Franz Josef			
RZ1OWA	1836	0523	5 WA
RZ1OWA	1836	0423	7 WA
TF3SZ	1832	2150	5 MA
UA1OT	1833	1230	3 MI
UP1BZZ	1835	0300	5 MA
UP1BZZ	1835	0055	3 IL
UP1BZZ	1835	0240	2 WA
UQ2GKL	1833	2135	9 MA
VP5/	1827	0232	3 MA
K6ANP			
XE2NNZ	1822	0740	5 WA
Y23EK	1832	0625	5 MI
YN1/	1825	0400	3 MI
WBONAA			
YN1/	1823	0342	2 WA
WBONAA			
ZL3GQ	1845	0740	7 MA
80 MTRS			
3B8CF	3505	0140	10 MA
3B8CF	3504	0125	6 NH
4X4UH	3794	0453	4 RI
4X4YM	3506	2210	2 NH
5B4SA	3794	0450	4 RI
5T5XX	3780	2338	7 CT
5X5GK	3780	2328	7 NH
7J1ACH	3501	1230	6 NH
7J1ACH	3502	1250	6 MI
9H1FG	3790	0429	7 MA
9H1GY	3794	0450	4 RI
CN2AQ	3772	0120	11 MA
CT3DL	3795	2357	6 MA
EA8ADP	3795	0815	6 IL
EA9IE	3800	0735	6 IL
HH2MC	3790	0759	6 IL
HH7PV	3797	2320	6 CT
IUOWON	3799	2358	6 MA
JAODXG	3508	2150	3 NH
KH6CF	3502	1100	10 MA
LA1MFA	3500	1136	10 MA
LA1XDA	3505	1108	6 NH
PJ2LS	3501	0254	8 MA
SP3BQD	3503	0525	9 CA
SP9PDF	3789	0455	4 RI
TA1H	3795	2125	3 MA

Madison Electronics Specials for TDXB readers

Coaxial Cable:

Belden 9913	\$0.39/foot
Belden 8214 RG8 Foam	0.31/foot
Belden 8267 RG213	0.40/foot
(100 foot multiples only)	

Connectors:

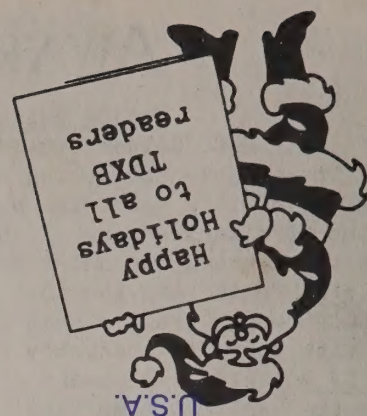
Amphenol PL259-831SP	\$1.00 each
Amphenol 8261 N Male	3.00 each
Fox 9913 Type-N Male	3.00 each
KLM Products: Cost + 10%	

Contact Don Busick at Madison Electronics,
3621 Fannin, Houston TX 77004 (713) 520-7300

TA4A	3799	0005	7 MA	5V7WD	14227	2043	2 CT
TL8CK	3795	2200	6 MA	6W1NX	14160	2250	30 KY
TP2CE	3799	0142	7 MA	6W1PW	14007	1835	9 MA
TP2CE	3522	2255	5 NH	7P8AD	14152	2020	1 KY
U3XMV	3508	2231	2 NH	7P8DP	14227	2045	5 CT
UA1OT	3500	0310	6 MA	9K2YA *	14194	1500	27 CA
UA1OT	3500	0250	6 NH	9L1IS	14160	2256	1 KY
UC1AWC	3509	0216	11 MA	9L3WA	14160	2220	9 AL
UF6FJ	3504	2200	5 NH	9Q5TV	14180	2150	28 CA
UV100	3501	1114	9 MA	A4XXA *	14173	1440	27 CA
UZ1ZZZ	3512	1158	11 MA	A6XL ?	14025	1421	5 MA
VS6DO	3502	2345	5 NH	BV2B	14192	0145	7 AK
XE3ARV	3502	2300	4 NH	BY1PK	14226	0001	28 AK
XX9XX	3503	1210	6 NH	BY4SZ	14182	0145	25 CA
XX9XX	3503	1340	8 CA	BY9GA	14027	0053	14 CA
XX9XX	3503	1151	6 MA	C31LBB	14023	1635	4 CA
YN3EO	3501	0445	5 NH	D68QL	14193	1859	13 CA
YO1LBY	3503	1100	7 NH	FR5DX	14191	1732	1 MA
ZC4AP	3794	0450	4 RI	FS/K2IBW	14207	1241	1 OH
ZS4PB	3797	0402	8 MA	FS/K2IBW	14195	2247	8 CA
ZS5LB	3502	2130	1 NH	HL4GDF	14220	0141	7 AK
40 MTRS				KC6TO	14027	0135	25 CA
7Q7LW	7014	0339	27 MA	KHOAC	14227	2355	28 CA
7Q7LW	7002	0254	12 CA	KH3/	14197	1914	13 CA
9N1MM	7005	1205	30 MA	KL7LF			
9V1TL	7001	1615	7 CA	KH3/	14186	0130	7 CA
DU/KK7K	7009	1338	1 MT	KL7LF			
EA6/G6ZY	7002	2315	6 OH	KH3/	14220	2208	11 CA
TE86CR	7012	2320	6 OH	KL7LF			
UZ9AWZ	7005	0515	9 CA	T30AC	14240	2355	28 CA
VU2GDQ	7005	0104	12 CA	T30AT	14013	1900	4 CA
ZD8CW	7001	0115	6 CA	TE86CR	14003	1511	5 MA
ZS1AAX	7006	0420	2 MT	TR8SA	14227	2035	4 CT
30 MTRS				TR8SA	14193	2200	11 CA
CU2AR	10106	2040	9 MA	TU4BY	14183	2100	2 MA
DL7HK *	10102	1400	4 MI	TZ6MG	14186	2153	11 CA
EA/	10101	0414	4 FL	UR2DL	14186	1307	7 MA
LA5DEA				UV100	14006	2010	11 CA
EA8ABR	10104	1127	6 ME	V85HG	14192	0049	8 AK
GODMI	10108	1126	6 ME	VP8BGO	14243	0036	3 AL
JH2CLV	10102	1410	6 MI	ZD7AL	14199	2300	27 CA
LA7YI	10104	1330	7 MI	15 MTRS			
SM4CQQ	10104	1235	5 ME	3B8CA	21280	1340	2 MA
UA3FZ	10102	1355	6 MI	3C1MB	21275	1541	6 MA
UI8XAA	10103	1330	1 OH	3D2TB	21030	0100	4 CA
UR2QA	10109	1120	6 ME	3D6BL	21215	1532	6 MA
UR2QD	10102	1350	6 MI	5B4/	21025	1435	3 MA
UT5YZ	10113	1123	6 ME	DL1RK			
UZ9AXX	10101	1232	5 ME	5H3ZO	21024	1515	6 MA
VK3DQ	10102	1233	5 ME	9J2WS	21227	1722	2 OH
VP2V/	10101	1152	6 ME	9Q5MA	21275	1542	6 MA
K7NHV				A82GA	21023	1407	6 MA
Y26DM	10107	1142	6 ME	CN8EL	21230	1540	6 MA
20 MTRS				KH3/	21245	2100	13 CA
1Z9B	14226	0001	28 AK	KL7LF			
3B8CF	14226	1800	2 OH	KX6AO	21245	2135	13 CA
5H3ZO	14026	2117	10 CA	T77C	21290	1511	7 AL
5T5RA	14160	2150	28 KY	TU2QQ	21225	1540	6 MA
5V7SA	14160	2241	10 CA	ZL2GH	21115	1925	5 CT
5V7SA	14160	2210	9 AL				

Key to Bandpass: Callsign, frequency, UTC, day of month, state. * = long path, P = Packet. All 'portable' calls are listed with country of operation first, regardless of format used on the air.

8 00498 87/09
A A LAUN K3ZO
AMERICAN EMBASSY (USIS)
APO MIAMI FL 34021



816 Fourth Street, Suite 1001
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U.S.A.

The DX Bulletin

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CALENDAR

Issue 367 Dec 19, 1986

(Changes and hot info in boldface)

Antarctica FT8YA 7006 at 1130-1230Z
Aves - YV0 4M0ARV Mar. 16-22 I364
Barbados - 8P 8P9AY Jan 8-19 I367
Cape Verde - D4 D44BC now on RTTY 1600Z
Chad - TT8 TT8AQ until Feb. I365
Chagos - VQ9 VQ9QM 7002 1400Z, 14026
VQ9GB 7001 at 1300Z
China - BY BY1QH 14028 2300Z I364
BY1PK now on RTTY 400Hz
Comoros - D68 D68WS 14177 1930Z I365
D68QL now I367
Crozet - FT8W FT8WA 14213 0130Z I365
Desecheo - KP5 by NP4TP late-Dec. I365
Franz Josef UV100 1830 02-0700Z I367
Gambia - C5 C56/6W1NX Dec. 25-Jan 4
Gough Is. - ZD9 ZD9CL now there I362,3
Guantanamo KG KG4XO 1834 02-0300Z I363
Heard Is. - VK0 VK0DA 14220 0730Z I367
Hong Kong VS6 VS6DO 1825 11-1300Z
India - VU 0130-0230 20/40M + 1200Z
Johnston Is KH3 KL7LF/KH3 for 1 yr. I366
Kerguelen - FT FT8XD should be on soon
Kermadec - ZL8 ZL8HV now there I361
Kampuchea - XU XU1SS 14025 11-1200Z,
14180 at 1200Z Sundays
Malawi - 7Q 7Q7LW 21285 1700Z I364
14285 at 1730Z Fri. I361
Maldives - 8Q7 8Q7CH 14004 at 1700Z
WA6VNR in March I366
Marquarie - VK0 VK0GC and VK0SJ now I365
Marshall - KX6 KX6DS at 7006 after 0930Z
Mauritius - 3B8 3B8CF 7025 at 0130Z I362
Mellish - VK0 VK0MW Aug. I367
Minami Tori. JD 7J1ACH 1911 1230Z I366
Nepal - 9N 9N5YDY Dec. 24-28 I367
New Caledonia FK/F6BFH Dec. 16-26 I365
Peter 1 - 3Y 3Y0AK Jan 1. I367
by Norwegians soon, I367
Reunion - FR FR4ZD 7003 at 0300

St. Martin - FS

St. Vincent J8

Sri Lanka - 4S7

So. Shetlands

Spratly - 1S

Sudan - ST

Taiwan - BV

Tanzania - 5H

Tristan - ZD9

Tromelin - FR/T

Vienna - 4U1VIC

Wake Is. - KH9

W. Kiribati T30

Zaire - 9Q5

Zimbabwe - Z2

FG/TK5BL/FS Jan 4-Feb 15

FS5IPA Feb 26-Mar 12 I367

K1COW/J87 Jan 19-27 I367

DK1ZN/4S7, 4S7YLR I367

JA8RUZ/4S7 Dec. 30 I364

3G9BSY now. I363

CX0XY early Feb. I363

LU6UO/Z Jan-Mar '87 I365

by DU1CK end of Jan I364

by PA0GAM in March. I 367

BV0AD by JAs Jan 1-4 I367

5H3ZO 14028 19-2200Z

ZD9BV Now I354

FR5AI/T Mar 1987 I365

14025-30 1130-1200Z

KH9AC 14309 0330Z

3860+ at 10-1400Z

T30AT leaving soon I363

YU3KI in Dec. I364

Z23JO 7005 at 0400Z

Contests and DX Events

73 Mag 10 Meter SSB Jan 3-4

73 Mag 15/20 Meter SSB Jan 10-11

Hungary DX CW Jan 17-18

73 Mag 160 Meter SSB Jan 17-18

CQWW 160 Meter CW Jan 23-25

France DX CW Jan 24-25

73 Mag 40 and 75 SSB Jan 24-25

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